

ABSTRACT OF THE DISCLOSURE

A vibratory apparatus for piling and extracting piles includes bearings for rotating unbalanced masses, with the unbalanced masses being arranged in a bearing flange by way of a bearing journal and a bearing bush, or with bearings for shafts, on which the unbalanced masses are mounted. The bearings are fluid-lubricated bearings with each bearing bush having at least two radially-extending channels, or bearing bush channels. Each bearing bush further includes radially-extending grooved recesses on, at least, one face thereof or, in the alternative, such recesses are formed in axial bush-adjacent stop faces of the unbalanced masses, or shafts, which are arranged in the bearings and the bearing journal, or shaft surface, surrounded by the bearing bush, and having at least one grooved recess.